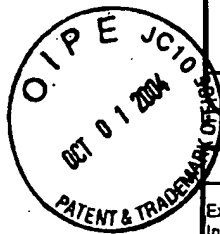


Please type a plus sign (+) inside this box → +

+



|  |   |    |                          |                        |                  |
|--|---|----|--------------------------|------------------------|------------------|
| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |   |    | <b>Complete if Known</b> |                        |                  |
| Sheet  | 1 | of | 5                        |                        |                  |
|  |   |    |                          | Application Number     | 09/599,806       |
|  |   |    |                          | Filing Date            | Jun 21, 2000     |
|  |   |    |                          | First Named Inventor   | Banks            |
|  |   |    |                          | Group Art Unit         | 2174             |
|  |   |    |                          | Examiner Name          | SAX, STEVEN PAUL |
|  |   |    |                          | Attorney Docket Number | MS1-557US        |

| U.S. PATENT DOCUMENTS |                          |                      |                                      |  |  |  |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                       |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |  |
| 82                    |                          | 4514800              |                                      | Gruner et al.                                      | 04/30/1985   |  |
|                       |                          | 4674040              |                                      | Barker et al.                                      | 06/16/1987   |  |
|                       |                          | 4739477              |                                      | Barker et al.                                      | 04/19/1988   |  |
|                       |                          | 4815029              |                                      | Barker et al.                                      | 03/21/1989   |  |
|                       |                          | 4933880              |                                      | Borgendale et al.                                  | 06/12/1990   |  |
|                       |                          | 4962475              |                                      | Hernandez et al.                                   | 10/09/1990   |  |
|                       |                          | 5072412              |                                      | Henderson Jr. et al.                               | 12/10/1991   |  |
|                       |                          | 5187786              |                                      | Densmore et al.                                    | 02/16/1993   |  |
|                       |                          | 5191645              |                                      | Carlucci et al.                                    | 03/02/1993   |  |
|                       |                          | 5204947              |                                      | Bernstein et al.                                   | 04/20/1993   |  |
|                       |                          | 5206951              |                                      | Khoyi et al.                                       | 04/27/1993   |  |
|                       |                          | 5237680              |                                      | Adams et al.                                       | 08/17/1993   |  |
|                       |                          | 5249275              |                                      | Srivastava   | 09/28/1993   |  |
|                       |                          | 5274803              |                                      | Dubin et al.                                       | 12/28/1993   |  |
|                       |                          | 5297249              |                                      | Bernstein et al.                                   | 03/22/1994   |  |
|                       |                          | 5297283              |                                      | Kelly Jr. et al.                                   | 03/22/1994   |  |
|                       |                          | 5313646              |                                      | Hendricks et al.                                   | 05/17/1994   |  |
|                       |                          | 5333317              |                                      | Dann   | 07/26/1994   |  |
|                       | 5339423                  |                      | Beitel et al.                        | 08/16/1994   |  |  |
|                       | 5339424                  |                      | Fushimi                              | 08/16/1994   |  |  |

| FOREIGN PATENT DOCUMENTS |                          |                         |   |  |  |  |                |
|--------------------------|--------------------------|-------------------------|---|--|--|--|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document |   | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>2</sup> |
|                          |                          | Office <sup>3</sup>     | Number <sup>4</sup><br>Kind Code <sup>5</sup><br>(if known) |  |  |  |                |
| JP                       |                          |                         | JP 3191429  |  | 01/01/1900   |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |
|                          |                          |                         |   |  |  |  |                |

|                       |  |                    |       |
|-----------------------|--|--------------------|-------|
| Examiner<br>Signature |  | Date<br>Considered | 12/05 |
|-----------------------|--|--------------------|-------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

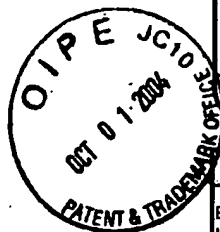
+

**Complete if Known**

|                        |                  |
|------------------------|------------------|
| Application Number     | 09/599,806       |
| Filing Date            | Jun 21, 2000     |
| First Named Inventor   | Banks            |
| Group Art Unit         | 2174             |
| Examiner Name          | SAX, STEVEN PAUL |
| Attorney Docket Number | MS1-557US        |

|       |   |    |   |
|-------|---|----|---|
| Sheet | 2 | of | 5 |
|-------|---|----|---|

|                        |           |
|------------------------|-----------|
| Attorney Docket Number | MS1-557US |
|------------------------|-----------|



| Examiner<br>Initials* | Cite<br>No.¹ | U.S. Patent Document |                          | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|-----------------------|--------------|----------------------|--------------------------|--|--|--|
|                       |              | Number               | Kind Code²<br>(if known) |  |  |  |
| 12                    |              | 5341478              |                          | Travis Jr et al.                                   | 08/23/1994   |  |
|                       |              | 5369766              |                          | Nakanô et al.                                      | 11/29/1994   |  |
|                       |              | 5369778              |                          | San Soucie et al.                                  | 11/29/1994   |  |
|                       |              | 5377323              |                          | Vasudevan et al.                                   | 12/27/1994   |  |
|                       |              | 5381547              |                          | Flug et al.  | 01/10/1995   |  |
|                       |              | 5408665              |                          | Fitzgerald   | 04/18/1995   |  |
|                       |              | 5410688              |                          | Williams et al.                                    | 04/25/1995   |  |
|                       |              | 5434975              |                          | Allen  | 07/18/1995   |  |
|                       |              | 5440744              |                          | Jacobson et al.                                    | 08/08/1995   |  |
|                       |              | 5446842              |                          | Schaeffer et al.                                   | 08/29/1995   |  |
|                       |              | 5459865              |                          | Heninger et al.                                    | 10/17/1995   |  |
|                       |              | 5481722              |                          | Skinner  | 01/02/1996   |  |
|                       |              | 5504898              |                          | Klein  | 04/02/1996   |  |
|                       |              | 5517655              |                          | Collins et al.                                     | 05/14/1996   |  |
|                       |              | 5535389              |                          | Elder et al.                                       | 07/09/1996   |  |
|                       |              | 5542070              |                          | LeBlanc et al.                                     | 07/30/1996   |  |
|                       |              | 5550976              |                          | Henderson et al.                                   | 08/27/1996   |  |
|                       |              | 5551035              |                          | Arnold et al.                                      | 08/27/1996   |  |
|                       |              | 5572643              |                          | Judson   | 11/05/1996   |  |
| 13                    |              | 5577252              |                          | Nelson et al.                                      | 11/19/1996   |  |

[illegible]

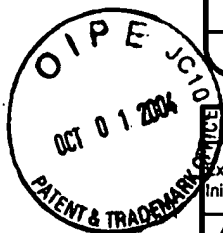
12/05

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

+

Please type a plus sign (+) inside this box → +

+



|  |   |    |                          |                  |  |
|--|---|----|--------------------------|------------------|--|
| Substitute for form 1449A/PTO  |   |    | <b>Complete if Known</b> |                  |  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    | Application Number       | 09/599,806       |  |
|  |   |    | Filing Date              | Jun 21, 2000     |  |
|  |   |    | First Named Inventor     | Banks            |  |
|  |   |    | Group Art Unit           | 2174             |  |
|  |   |    | Examiner Name            | SAX, STEVEN PAUL |  |
|  |   |    | Attorney Docket Number   | MS1-557US        |  |
| Sheet  | 3 | of | 5                        |                  |  |

12

| U.S. PATENT DOCUMENTS             |                          |                      |                                      |  |  |  |
|-----------------------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner<br>Initials <sup>1</sup> | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                                   |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |  |
| 12                                |                          | 5581686              |                                      | Koppolu et al.                                     | 12/03/1996   |  |
|                                   |                          | 5581760              |                                      | Atkinson et al.                                    | 12/03/1996   |  |
|                                   |                          | 5608720              |                                      | Biegel et al.                                      | 03/04/1997   |  |
|                                   |                          | 5634121              |                                      | Tracz et al.                                       | 05/27/1997   |  |
|                                   |                          | 5640544              |                                      | Onodera et al.                                     | 06/17/1997   |  |
|                                   |                          | 5659729              |                                      | Nielsen  | 08/19/1997   |  |
|                                   |                          | 5664178              |                                      | Sinofsky   | 09/02/1997   |  |
|                                   |                          | 5682536              |                                      | Atkinson et al.                                    | 10/28/1997   |  |
|                                   |                          | 5689703              |                                      | Atkinson et al.                                    | 11/18/1997   |  |
|                                   |                          | 5706501              |                                      | Horikiri et al.                                    | 01/06/1998   |  |
|                                   |                          | 5740439              |                                      | Atkinson et al.                                    | 04/14/1998   |  |
|                                   |                          | 5745683              |                                      | Lee et al.   | 04/28/1998   |  |
|                                   |                          | 5758184              |                                      | Lucovsky et al.                                    | 05/26/1998   |  |
|                                   |                          | 5758358              |                                      | Ebbo   | 05/26/1998   |  |
|                                   |                          | 5761683              |                                      | Logan et al.                                       | 06/02/1998   |  |
|                                   |                          | 5764984              |                                      | Loucks   | 06/09/1998   |  |
|                                   |                          | 5778372              |                                      | Cordell et al.                                     | 07/07/1998   |  |
|                                   |                          | 5784555              |                                      | Stone  | 07/21/1998   |  |
|                                   | 5802304                  |                      | Stone                                | 09/01/1998   |  |  |
|                                   | 5815830                  |                      | Anthony                              | 09/29/1998   |  |  |

| FOREIGN PATENT DOCUMENTS          |                          |                         |                     |                                      |  |  |  |                |
|-----------------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|                                   |                          | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(If known) |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |

|                       |                         |                    |       |
|-----------------------|-------------------------|--------------------|-------|
| Examiner<br>Signature | [Handwritten Signature] | Date<br>Considered | 12/05 |
|-----------------------|-------------------------|--------------------|-------|

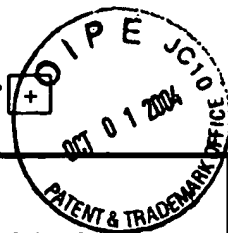
<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See attached Kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box →



+

|   |   |    |   |                          |                  |
|---|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    |   | <b>Complete if Known</b> |                  |
| Sheet   | 4 | of | 5 | Application Number       | 09/599,806       |
|   |   |    |   | Filing Date              | Jun 21, 2000     |
|   |   |    |   | First Named Inventor     | Banks            |
|   |   |    |   | Group Art Unit           | 2174             |
|   |   |    |   | Examiner Name            | SAX, STEVEN PAUL |
|   |   |    |   | Attorney Docket Number   | MS1-557US        |

| U.S. PATENT DOCUMENTS |                          |                      |                                      |  |  |  |
|-----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                       |                          | Number               | Kind Code <sup>2</sup><br>(if known) |  |  |  |
| ↓                     |                          | 5838906              |                                      | Doyle et al.                                       | 11/17/1998   |  |
|                       |                          | 5842018              |                                      | Atkinson et al.                                    | 11/24/1998   |  |
|                       |                          | 5854630              |                                      | Nielsen  | 12/29/1998   |  |
|                       |                          | 5963964              |                                      | Nielsen  | 10/05/1999   |  |
|                       |                          | 5987480              |                                      | Donohue et al.                                     | 11/16/1999   |  |
|                       |                          | 6016520              |                                      | Facq et al.  | 01/18/2000   |  |
|                       |                          | 6026379              |                                      | Haller et al.                                      | 02/15/2000   |  |
|                       |                          | 6026416              |                                      | Kanerva et al.                                     | 02/15/2000   |  |
|                       |                          | 6044205              |                                      | Reed et al.  | 03/28/2000   |  |
|                       |                          | 6072870              |                                      | Nguyen   | 06/06/2000   |  |
|                       |                          | 6078326              |                                      | Kilmer et al.                                      | 06/20/2000   |  |
|                       |                          | 6098081              |                                      | Heidorn et al.                                     | 08/01/2000   |  |
|                       |                          | 6108637              |                                      | Blumenau   | 08/22/2000   |  |
|                       |                          | 6163772              |                                      | Kramer et al.                                      | 12/19/2000   |  |
|                       |                          | 6235027              |                                      | Herzon   | 05/22/2001   |  |
|                       |                          | 20010056429          |                                      | Moore  | 12/27/2001   |  |
|                       |                          | 20030158897          |                                      | Ben-Natan et al.                                   | 08/21/2003   |  |
|                       | V                        |                      | 60/191662                            |  |  | 01/01/1900   |
|                       |                          | 60/203081            |                                      | Ben-Natan et al.                                   | 01/01/1900   |  |

| FOREIGN PATENT DOCUMENTS          |                          |                         |                     |                                      |  |  |  |                |
|-----------------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner<br>Initials <sup>1</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>3</sup> |
|                                   |                          | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |
|                                   |                          |                         |                     |                                      |  |  |  |                |

|                       |   |                    |       |
|-----------------------|---|--------------------|-------|
| Examiner<br>Signature | H | Date<br>Considered | 12/15 |
|-----------------------|---|--------------------|-------|

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 5 of 5

|                               |                  |
|-------------------------------|------------------|
| <b>Application Number</b>     | 09/599,806       |
| <b>Filing Date</b>            | Jun 21, 2000     |
| <b>First Named Inventor</b>   | Banks            |
| <b>Group Art Unit</b>         | 2174             |
| <b>Examiner Name</b>          | SAX, STEVEN PAUL |
| <b>Attorney Docket Number</b> | MSI-557US        |

[illegible]

**Examiner  
Signature**

Date  
Considered

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.